

Les 2 Dournées du Réseau France Microtubules (French Microtubule Network)

6 et 7 juillet 2015, Université Grenoble Alpes

LUNDI 06 JUILLET 2015 - AMPHITHEATRE BOUCHERLE – UNIVERSITE GRENOBLE ALPES/CHU

9h00 V	Velcome & Registration					
9h30-10h3	0 Seminar	Invited Speaker Niels GALJART (Rotterdam, The Netherlands)				
10h30 - 11	h SESSION 1	MICROTUBULE ASSEMBLY AND REGULATIONS (I)				

- EB1-gold reveals the GTP-cap architecture of growing microtubule ends. Frank BAZILE
- Direct evidence for the interaction of stathmin with microtubules in cells: an investigation made by real-time confocal imaging coupled to FRET and FRAP spectroscopies. Gilles BREUZARD

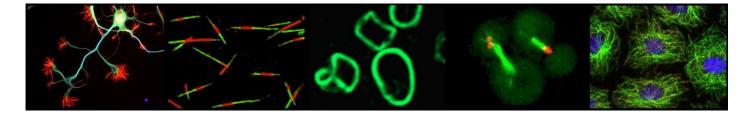
COFFEE BREAK

11h30 – 12h45 SESSION 2 MICROTUBULE ASSEMBLY AND REGULATIONS (II)

- EB1 links microtubule network organization and touch response in Arabidopsis thaliana. Frédéric COQUELLE
- Unravelling the mechanoperception and transduction pathway controlling the microtubule response to mechanical stress. Stéphane VERGER
- Investigating the position of GCPs 4, 5, 6 in the Gamma-tubulin ring complex. Dorian FARACHE,
- Microtubule and actin organization by the neuronal MAP tau. Isabelle ARNAL
- Role of tubulin polyglutamylation in neurodegeneration. Maria M. MAGIERA

LUNCH

13h45 – 15h30	POSTER SESS	SION					
			COFFE	E BREAK	_		
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15h30-16h30 TARGETS? (I)	SESSION 3	MICRO	TUBULES A	AND THEIR I	REGULATO	RS: NEW T	HERAPEUTIC
	ound septins tog pact on cell moti		-	and polyglut	amylated to	ubulin confe	er cell adaptation
• The role of prin	mary cilia in colo	n homeosta	isis and tum	or developm	nent. Ruizhi	TANG	
• End-binding 1 alkaloids in vit	protein overexp ro and in vivo. R			glioblastoma	progressio	n and sensit	tizes to Vinca-
• Microtubule-as NAHMIAS	ssociated tumor	suppressor	ATIP3 intera	acts with EB1	L: clinical re	levance in b	oreast cancer. Cla
			COFFE	E BREAK	- -		
17h15-18h00 TARGETS? (II)	SESSION 4	MICRO	TUBULES A	AND THEIR I	REGULATO	RS: NEW T	HERAPEUTIC
• IPP51, a chalco Véronique MAI	_	icrotubule i	nhibitor wit	h in vivo ant	itumor activ	vity against	bladder carcinom
• A new LIMK in	hibitor stabilizes	microtubul	es and has a	anticancer ac	tivity. Chloe	é PRUNIER	
• Photoswitchab Oliver THORN-:		nhibitors fo	r localised o	ptical contro	ol of MT dyn	amics, mito	osis, and cell deat
		20H00	DINER	PRISE D	E LA BAST	ILLE	



MARDI 07 JUILLET 2015 - AMPHITHEATRE BOUCHERLE - UNIVERSITE GRENOBLE ALPES/CHU

9h00-10h30 SESSION 5 MICROTUBULES AND CELL DIVISION (SPINDLE ORGANIZATION)

- Proper timing of spindle assembly is critical for correct chromosome alignment in mouse oocytes. Isma BENNABI
- The microtubule depolymerase Kif2 (kinesin 13) localizes to a cortical structure which positions the spindle asymmetrically during unequal cleavages. Janet CHENEVERT
- Yeast GSK-3 kinase regulates astral microtubule function via phosphorylation of the microtubule-stabilizing kinesin Kip2. Dimitris LIAKOPOULOS
- Ensconsin/MAP7 is required for various aspects of cell division. Régis GIET
- Huntingtin is required for mitotic spindle orientation. Sandrine HUMBERT
- Different ways to build a mitotic spindle in the mouse brain: from normal to pathological conditions. Véronique MARTHIENS

COFFEE BREAK

11h00-12h15 SESSION 6

MICROTUBULES, CELL MORPHOGENESIS AND DIFFERENTIATION

- Microtubule-Associated Protein 6 (MAP6) mediates neuronal connectivity through Semaphorin 3E-dependent signaling for axonal growth. Jean-Christophe DELOULME
- A role for GSK3β in controlling the Navigator-Trio-mediated crosstalk between microtubule dynamics and actin remodelling during neuronal morphogenesis. Jabran BENHARI
- The characterization of a G2/M TRM isoform sheds new light on the preprophase band function in plant cell division plane positioning. Martine PASTUGLIA
- Motor-driven marginal band coiling promotes cell shape change during platelet activation. Karin SADOUL
- Cell anisotropy and microtubules. Vincent MIRABET

LUNCH

13h15 - 14h30 **POSTER SESSION**

14h30-15h45 SESSION 7 MICROTUBULES, ORGANELLE TRANSPORT AND CELL MIGRATION

- Regulation of cortical microtubule capture and cell migration by a microtubule minus end-associated protein complex. Habib BOUGUENINA
- Kinesin-14 transports large DNA molecules through the cytoplasm of eukaryotic cells Giovanni CAPPELLO
- Microtubule dependent nuclear domain organization during skeletal muscle fibers development. Vincent GACHE
- Huntington's disease: huntingtin and the control of intracellular dynamics. Frédéric SAUDOU
- The structure of apo-kinesin bound to tubulin links the nucleotide cycle to movement. LuYan CAO

ORGANIZATION OF THE NEXT FRENCH MT NETWORK

16h15-16h45

CLOSING SESSION

MEETING, 2017

Organisateurs















Commanditaires

















